

**Falcon Refinery Superfund Site
Ingleside
San Patricio County, Texas
TXD 086 278 058**

Monthly Progress Report # 77

December 2012

Prepared for

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1.0 INTRODUCTION

This seventy-seventh Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO). The refinery has been sold to Lazarus Texas Refining I, LLC (Lazarus) and Lazarus is completing the Removal Action.

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report, covering January, 2013 will be submitted on or before February 10, 2013.

2.0 COMPLETED ACTIVITIES

2.1 Removal Action Activities

During December the following activities were performed:

- Sandblasted the floor, evaluated the structural integrity, and repaired small holes in the floor of Tank 16.
- Moved hoses/repairs pumps to prepare for boxes containing tank bottoms for transportation/ disposal, and prepared to transfer water from Tank 26 into Tank 12.
- Transferred oil from Tank 26 into Tank 30.
- Acquired samples of liquids from Tank 26 to reassess the thickness and levels of oil, water, and sludge that remain in this Tank.
- Transported and disposed of approximately 50 cu yd. of demolition debris (fiberglass insulation) originating from the demolition of Tanks 24 and 20. The debris was contaminated with crude oily waste (K169) from historical leaks in the sidewall of Tank 20. The waste was disposed of at U.S. Ecology in Robstown, TX.
- Removed excess tank bottom oil from covered boxes and transferred it into Tank 30 to prepare the boxes for safe transportation/disposal at U.S. Ecology.
- Sandblasted the floor, evaluated the structural integrity, and repaired small holes in the floor of Tank 16.
- Inventoried materials at the site.
- Conducted general housekeeping at the site.

To date a total of approximately 7,774,721 gallons of hazardous waste have been removed from all of the above ground tanks and disposed via deep well injection at Texas Molecular.

Prior to the beginning of liquid waste disposal in October 2004, the volume of waste in the above ground storage tanks was measured at 6,844,094 gallons. Apparently due to holes in the tops of the tanks the volume of waste has increased due to rainfall, since more waste has been disposed of than was originally measured.

A compilation of hazardous liquid waste disposal is included as Table 1.

2.2 Remedial Investigation / Feasibility Study (RI/FS)

There are no activities to report for the month of December 2012.

3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD

Modifications to the treatment process are being made to properly dispose of the waste. A proposal to extend the period of time for discharge of waste via irrigation is being prepared for submission to the TCEQ.

4.0 COMMUNITY RELATIONS

The EPA has developed a web site to display information about the Removal Action and RI/FS activities. Information can be found by going to www.epaossc.net and selecting web sites, then Region 6 and then the Falcon Refinery Site.

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

No additional site workers were hired to accelerate the completion of the Removal Action.

6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS

6.1 Removal Action Work projected for the next two months includes:

- Implement Removal Action Work Plan Addendum No.3;
- Initiation of treatment system;
- Transport and dispose of four boxes of K169 tank bottoms from the cleaning of Tank 12 as approval is received from the disposal facility;
- Repair the floor in Tank 16 and inspect with Method API 653;
- Resume the transfer of water from Tank 26 into Tank 12;
- Treat water in Tank 12 through activated charcoal and transfer the finished water into Tank 16;
- Remove oil and clean Tank 30, repair floor in Tank 30 and inspect with Method API 653;
- Sample water from Tank 16 and transfer into Tank 30 for holding before land application;
- Oil will be transferred from Tank 26 through shakers to Tank 12; and
- Continue general housekeeping activities and site maintenance.

6.2 RI/FS Work projected for the next two months includes:

- Assisting the EPA in any way with the RI/FS.

7.0 LABORATORY / MONITORING DATA

Lazarus received analytical results for waste characterization of fiberglass insulation (demolition debris) from Test America in November. The analytical results confirmed that fiberglass insulation for piping associated with former Tanks 27 and 10 did not contain asbestos.

Table 1. Hazardous Liquid Waste Disposal

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr. Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez
RQ, HAZARDOUS WASTE LIQUID N.O.S., 9 , UN3082, III (D007, D008, D018)				
	Month	Volume (gal)		
	October-04	53,832		
	November-04	734,763		
	December-04	879,158		
	January-05	783,881		
	February-05	551,444		
	March-05	565,489		
	April-05	445,107		
	May-05	471,311		
	December-05	42,550		
	January-06	58,740		
	February-06	59,140		
	March-06	0		
	April-06	29,371		
	May-06	59,018		
	June-06	97,151		
	July-06	118,743		
	August-06	148,509		
	September-06	109,908		
	October-06	86,665		
	November-06	140,498		
	December-06	85,813		
	January-07	118,541		
	February-07	107,985		
	March-07	152,493		
	April-07	121,588		
	May-07	150,368		
	June-07	87,900		
	July-07	143,485		
	August-07	94,727		
	September-07	0		
	October-07	50,298		
	November-07	151,227		
	December-07	112,285		
	January-08	119,353		
	February-08	88,777		
	March-08	60,913		
	April-08	18,695		
	May-08	25,349		
	June-08	0		
	July-08	250,475		
	August-08	331,248		

		September-08	67,923		
		October-08	0		
		November-08	0		
		December-08	0		
		January-09	0		
		February-09	0		
		March-09	0		
		April-09	0		
		May-09	0		
		June-09	0		
		July-09	0		
		Total	7,774,721		

Table 2. Metal Disposal

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Commercial Metal Company	4614 Agnes St Corpus Christi, TX	361-884-4071	None	David
		RECYCLED METAL		
		Month	Volume (lbs)	
		October-04	0	
		November-04	16,820	
		December-04	19,640	
		January-05	31,380	
		February-05	0	
		September-11	529,000	
		October-11	330,400	
		November-11	461,980	
		December-11	189,460	
		January-12	173,380	
		Total	1,752,060	
		FIRE EXTINGUISHERS		
		Month	Quantity	
		December-04	10	
		Total	10	
	Industrial Fire & Safety Co. removed 10 fire extinguishers from the job site. The powder was disposed of properly and the metal went to salvage.			

Table 3. Contaminated Soil and Oily Debris Disposal

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner
PETROLEUM CONTAMINATED SOIL AND OILY DEBRIS				
	Month	Volume (cy)		
	October-04	0		
	November-04	0		
	December-04	40		
	January-05	0		
	February-05	0		
	Total	40		
RQ, HAZARDOUS WASTE SOLID, N.O.S., LEAD, 9 NA3077, PGIII (OILY SLUDGE AND SOIL)				
	Month	Volume (cy)		
	February-05	15		
	Total	15		
HAZARDOUS WASTE – CAUSTIC TANK BOTTOMS (K169)				
	Month	Quantity (lb)		
	October-11	32,860		
	November-11	24,900		
	Total	57,760		
HAZARDOUS WASTE – TANK BOTTOMS (K169)				
	Month	Quantity (lb)		
	November-11	33,900		
	January-12	132,260		
	Total	166,160		

Table 4. Oil and Filter Disposal

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT
Texas Molecular Corpus Christi Services, LP	6901 Greenwood Dr Corpus Christi, TX	361-852-8284	TXR000001016	Robert Rodriguez
RECYLCED OIL AND FILTERS				
	Month	Volume (gal)		
	January-05	403		

		February-05	0		
		Total	403		
DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT	
Midstate Environmental Services, LLC	2203 Tower Road Robstown, TX	361-387-2171	TXR000051227	Lloyd Cooke	
		RECYLCED OIL AND FILTERS			
		Month	Volume (gal)		
		January-05	16,651		
		February-05	0		
		Total	16,651		

Table 5. Fiberglass Insulation/Demolition Debris

DISPOSAL FACILITY	ADDRESS	PHONE NO.	EPA ID NO.	CONTACT	
U.S. Ecology Texas L.P.	P.O. Box 307 Robstown, TX	361-387-3518	TXD069452340	Glenda Felkner	
		Fiberglass Insulation			
		Month	Volume (cy)		
		December-12	50		
		Total	50		